

**EarthScope National Meeting Field Trip**





The ESNM 2015 field trip highlighted several classic localities in west-central Vermont that serve as superb educational outdoor laboratories and provide important clues on the complex history of superposed orogenies in the northern Appalachians. Field trip sites included the Champlain thrust at Lone Rock Point and Mount Philo State Park, as well as Mesozoic dikes at Charlotte beach and the Hinesburg thrust shear zone. While the Champlain and Hinesburg thrusts initially formed during the Ordovician Taconic orogeny, the trip also noted several lines of evidence suggesting Acadian, and possibly Alleghanian, reactivation and modification (e.g., a regional dome and basin pattern).